

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012500.D
 Acq On : 19 Sep 2019 02:18
 Operator : JC/SP
 Sample : K4858-26
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20190911

Quant Time: Sep 19 13:46:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	196183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	308118	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101818	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	130829	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
35) Dibromofluoromethane	5.49	113	94312	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
50) Toluene-d8	8.71	98	356644	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.14	95	126865	44.26	ug/l	0.00
Spiked Amount			Recovery	=	88.52%	

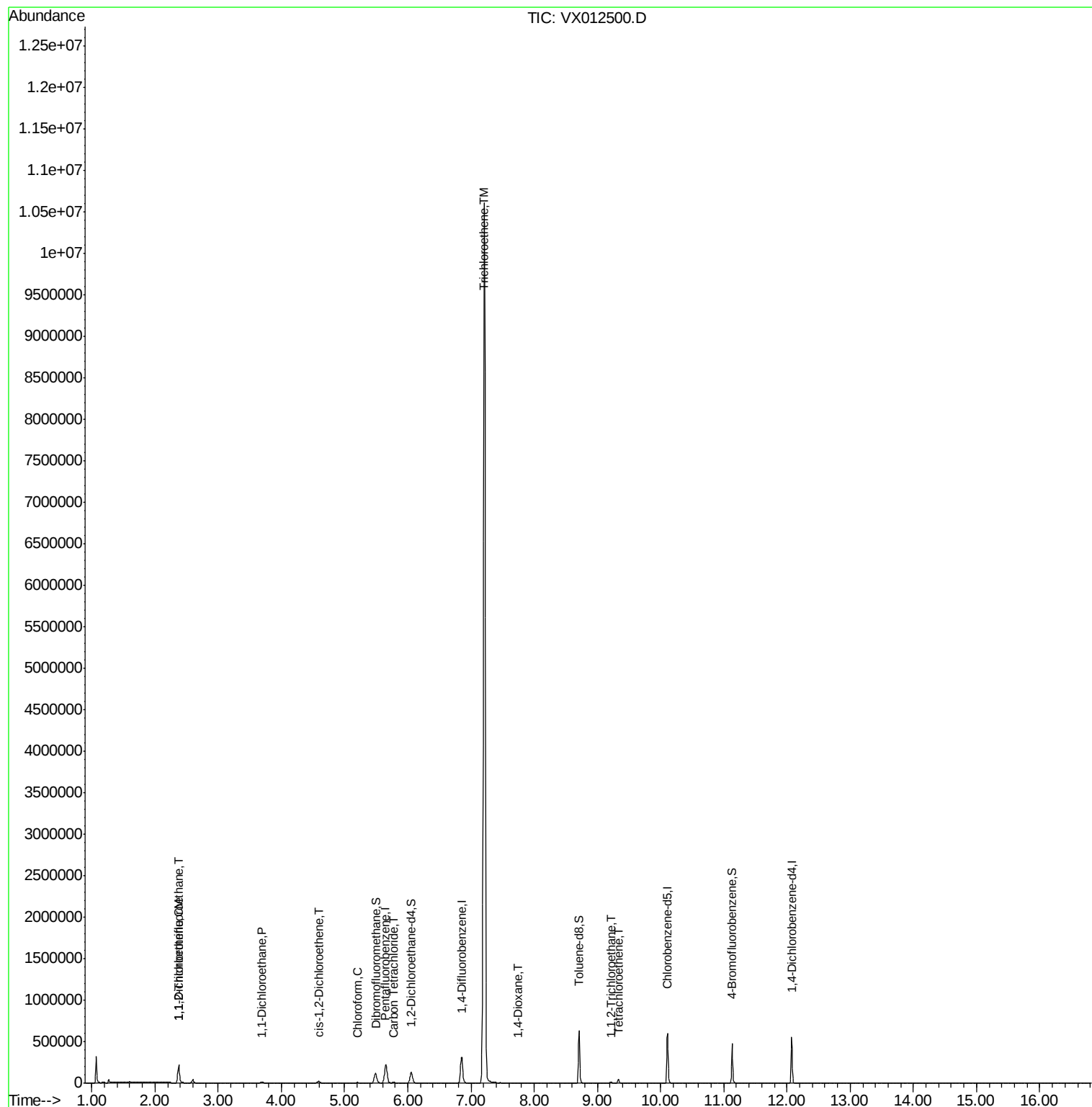
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	69827	45.162	ug/l	99
12) 1,1-Dichloroethene	2.37	96	20754	16.826	ug/l	96
24) 1,1-Dichloroethane	3.69	63	8647	2.688	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	10084	5.270	ug/l	84
30) Chloroform	5.21	83	5381	1.456	ug/l #	80
38) Carbon Tetrachloride	5.78	117	4926	2.115	ug/l	97
44) Trichloroethene	7.21	130	4090131	2611.134	ug/l	98
49) 1,4-Dioxane	7.75	88	1135	19.176	ug/l #	61
55) 1,1,2-Trichloroethane	9.21	97	3083	1.560	ug/l	93
64) Tetrachloroethene	9.33	164	8192	6.877	ug/l	94

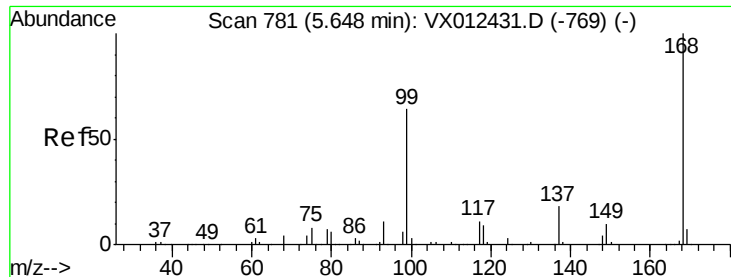
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

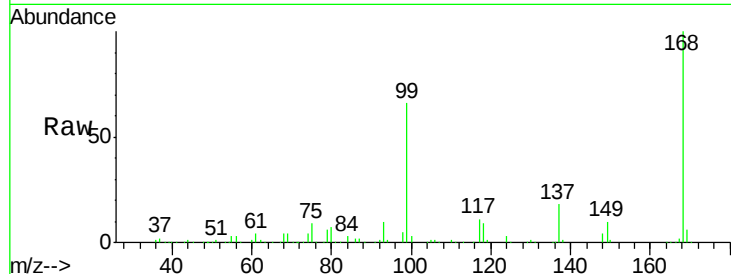
RE132D6-20190911

Tot Ion:168 Resp: 196183

Ion Ratio Lower Upper

168 100

99 66.4 51.4 77.2

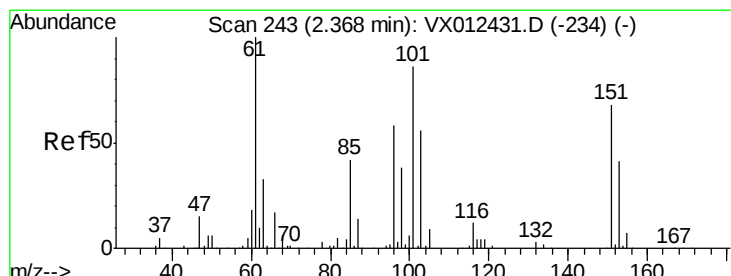
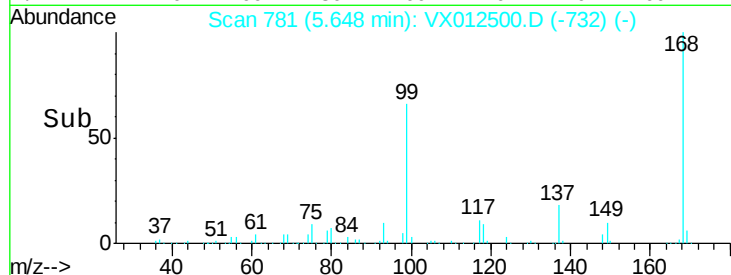


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.162 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

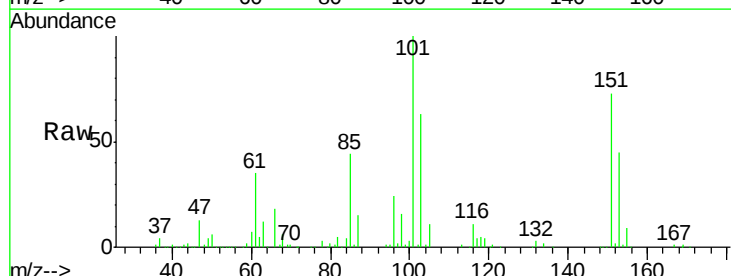
Tgt Ion:101 Resp: 69827

Ion Ratio Lower Upper

101 100

85 45.0 37.3 55.9

151 75.8 61.0 91.4



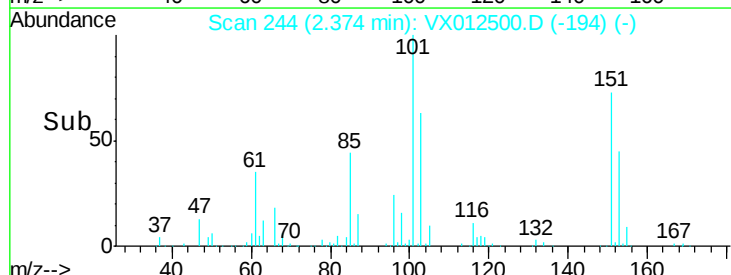
Abundance Ion 100.90 (100.60 to 101.60): V

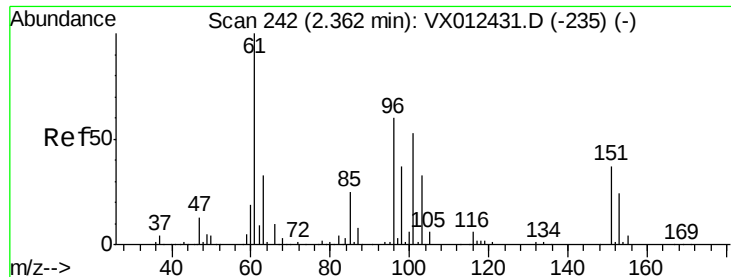
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.37

Time-->





#12

1,1-Dichloroethene

Concen: 16.826 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20190911

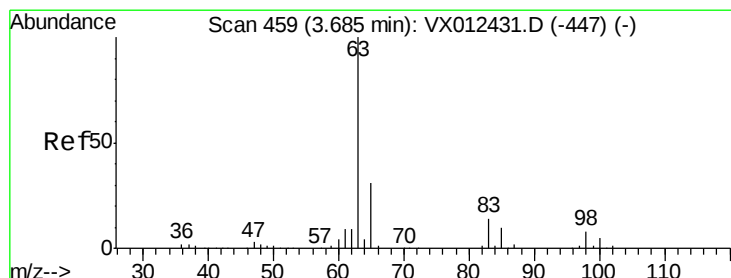
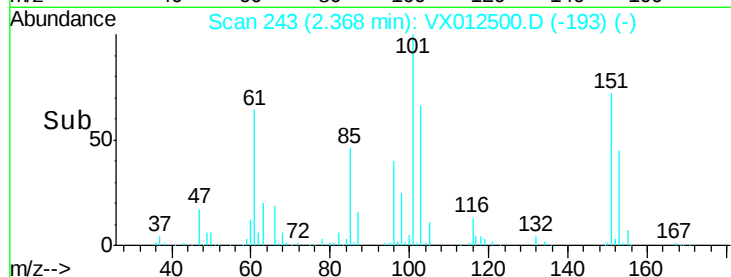
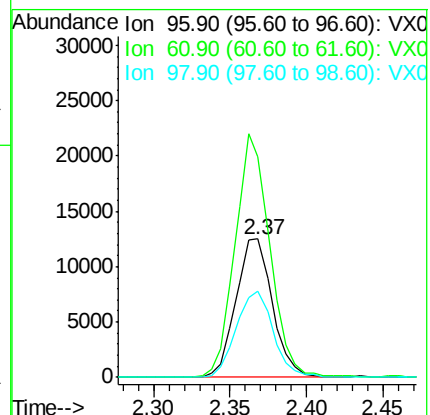
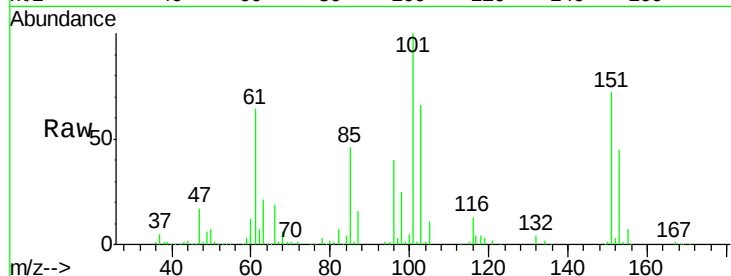
Tot Ion: 96 Resp: 20754

Ion Ratio Lower Upper

96 100

61 159.3 133.8 200.6

98 62.4 49.9 74.9



#24

1,1-Dichloroethane

Concen: 2.688 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

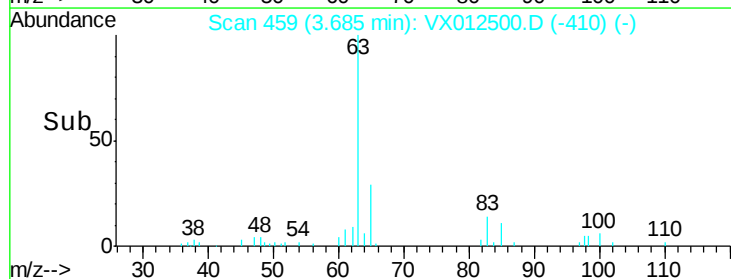
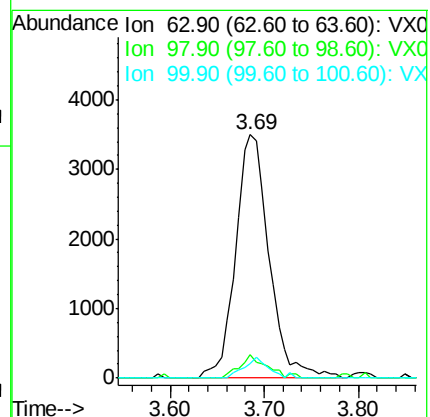
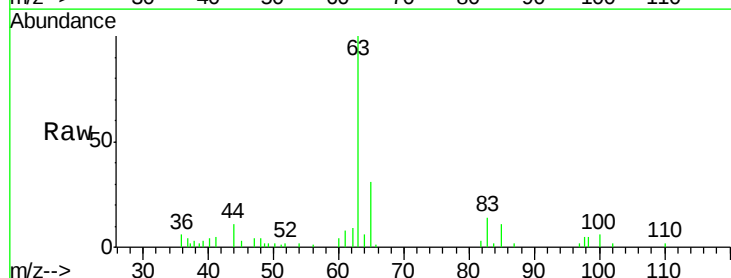
Tgt Ion: 63 Resp: 8647

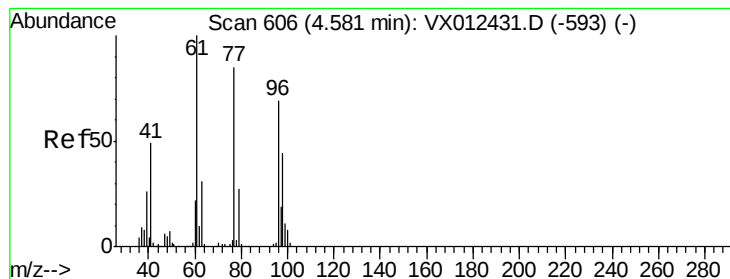
Ion Ratio Lower Upper

63 100

98 9.6 3.9 11.7

100 5.8 2.3 6.9



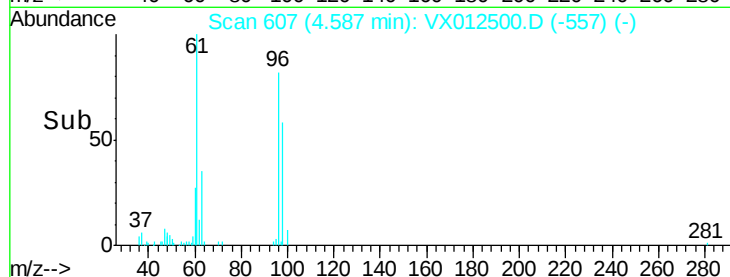
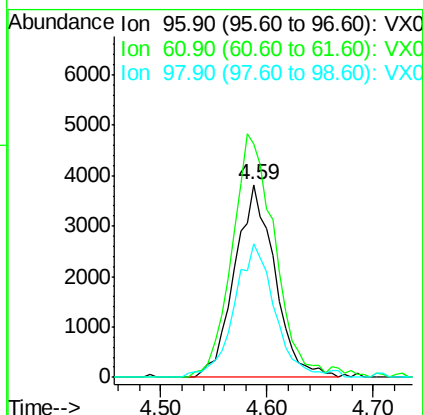
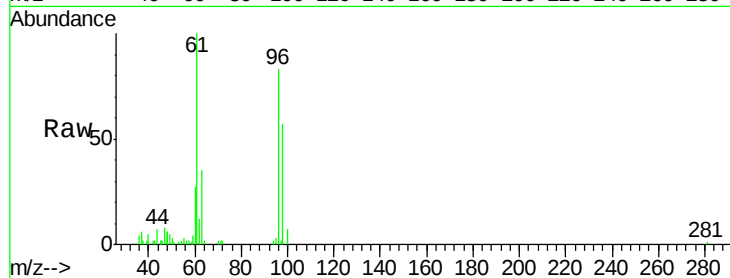


#27

cis-1,2-Dichloroethene
 Concen: 5.270 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012500.D
 Acq: 19 Sep 2019 02:18

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20190911

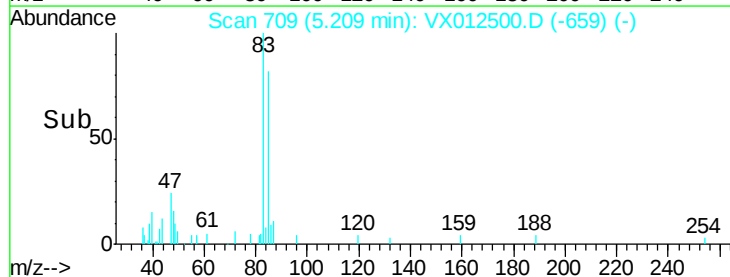
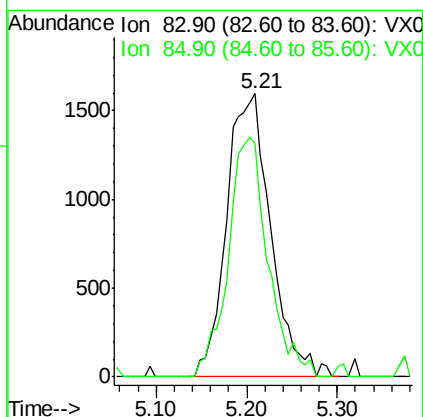
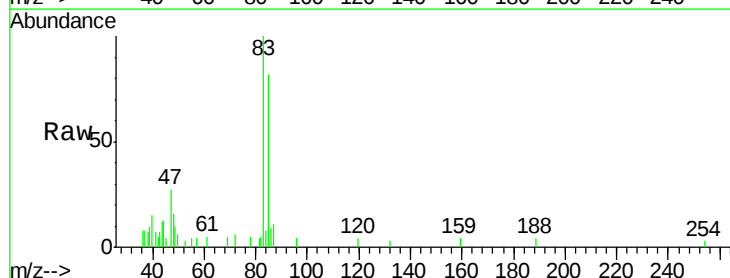
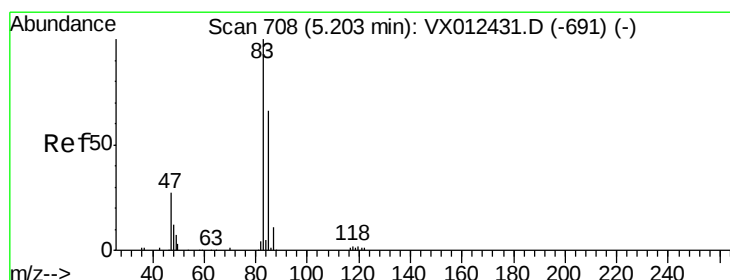
Tot Ion: 96 Resp: 10084
 Ion Ratio Lower Upper
 96 100
 61 133.2 0.0 319.4
 98 70.1 0.0 130.6

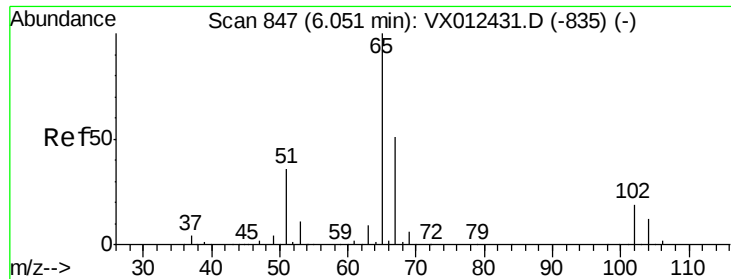


#30

Chloroform
 Concen: 1.456 ug/l
 RT: 5.21 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VX012500.D
 Acq: 19 Sep 2019 02:18

Tgt Ion: 83 Resp: 5381
 Ion Ratio Lower Upper
 83 100
 85 82.4 53.0 79.4#





#33

1,2-Dichloroethane-d4

Concen: 46.530 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

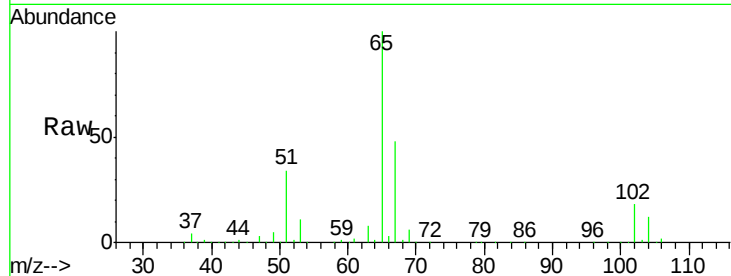
RE132D6-20190911

Tot Ion: 65 Resp: 130829

Ion Ratio Lower Upper

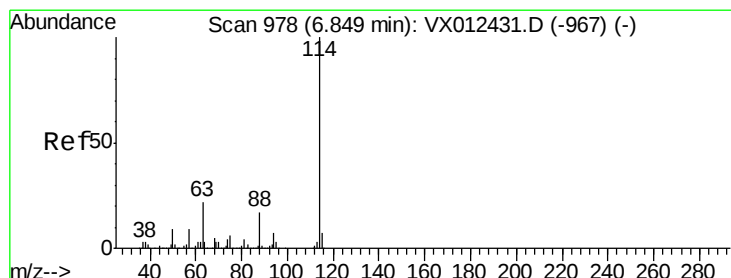
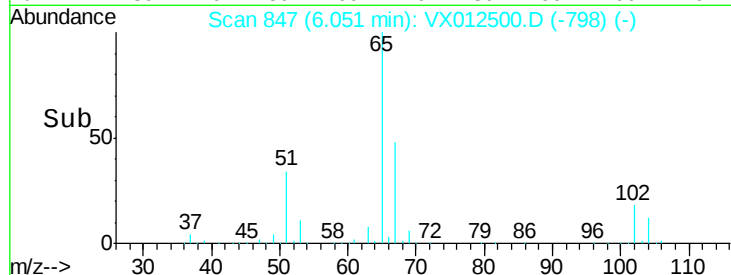
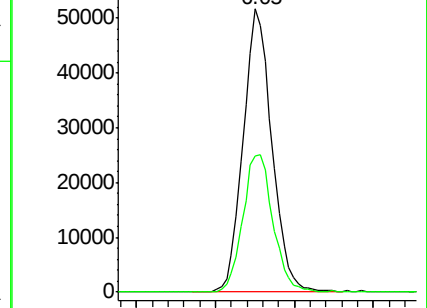
65 100

67 51.0 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

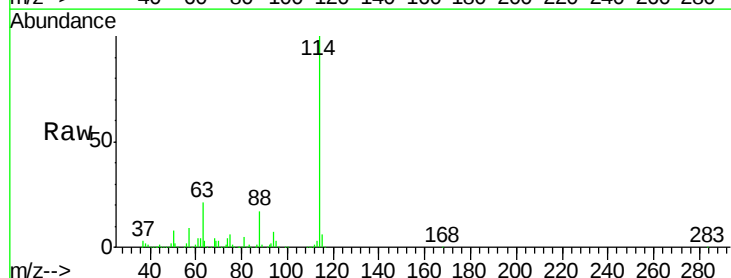
Tgt Ion: 114 Resp: 308118

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

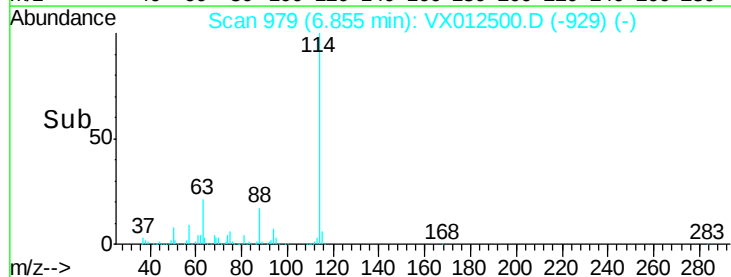
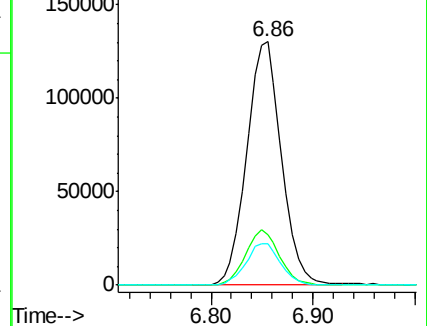
88 17.0 0.0 33.2

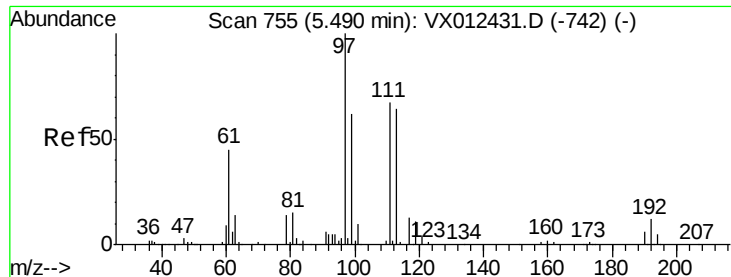


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

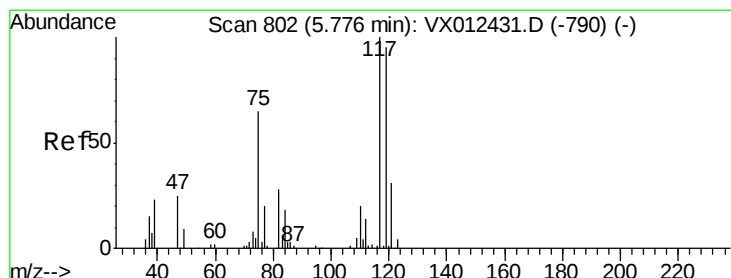
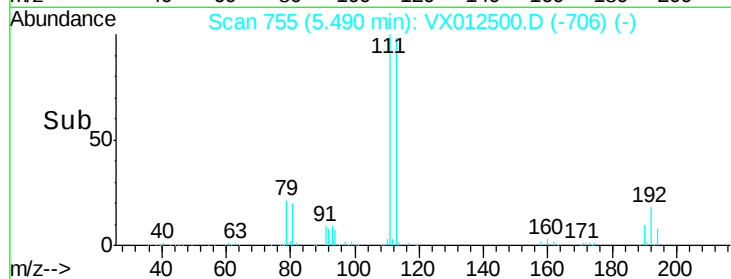
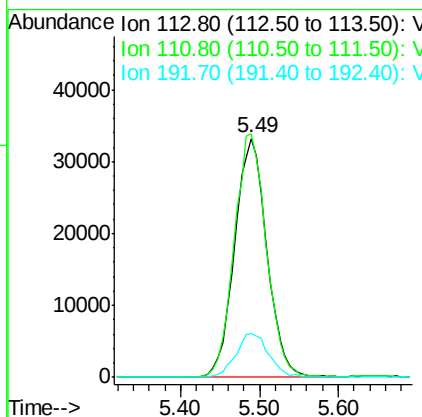
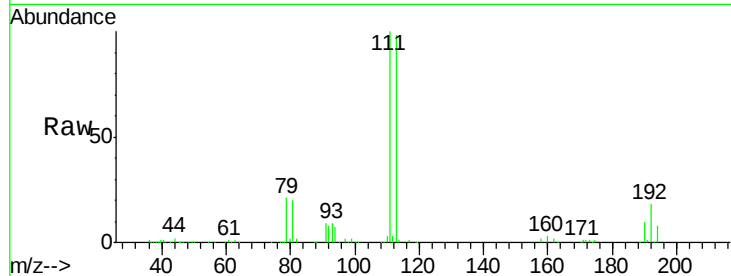




#35
 Dibromofluoromethane
 Concen: 50.572 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. -0.00 min
 Lab File: VX012500.D
 Acq: 19 Sep 2019 02:18

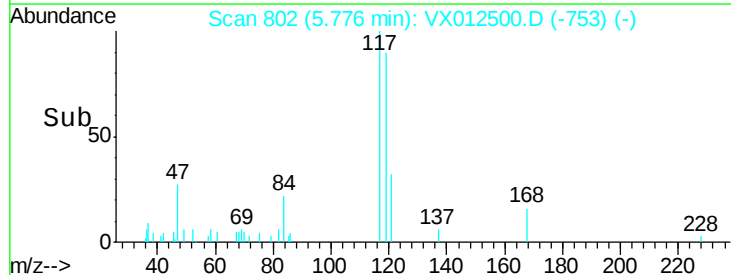
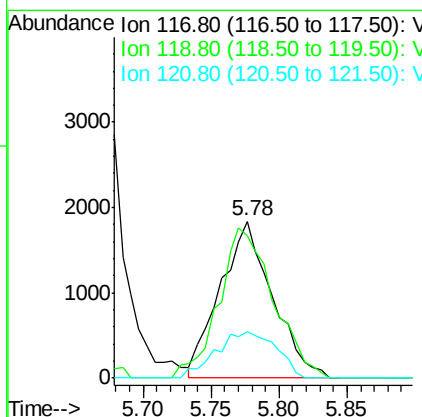
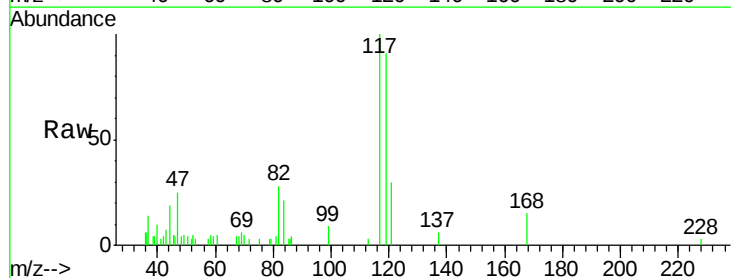
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20190911

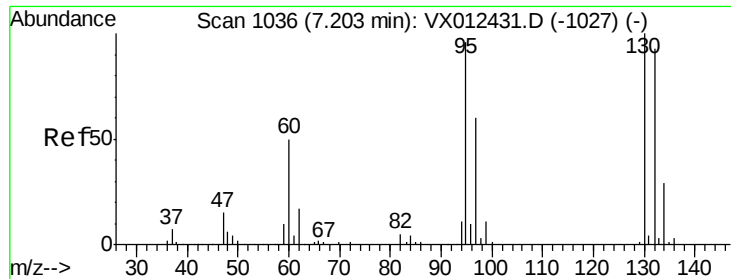
Tot Ion:113 Resp: 94312
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.4 125.2
 192 18.9 14.4 21.6



#38
 Carbon Tetrachloride
 Concen: 2.115 ug/l
 RT: 5.78 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VX012500.D
 Acq: 19 Sep 2019 02:18

Tgt Ion:117 Resp: 4926
 Ion Ratio Lower Upper
 117 100
 119 90.7 75.7 113.5
 121 29.7 24.2 36.4





#44

Trichloroethene

Concen: 2611.134 ug/l

RT: 7.21 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

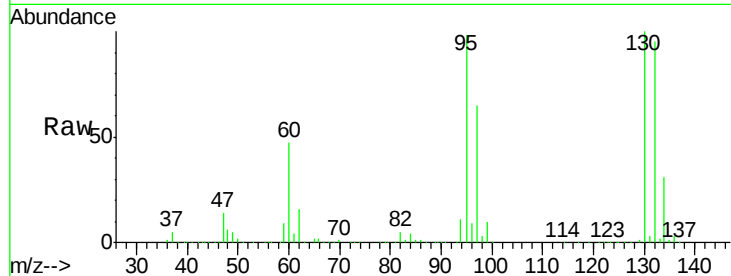
RE132D6-20190911

Tot Ion:130 Resp: 4090131

Ion Ratio Lower Upper

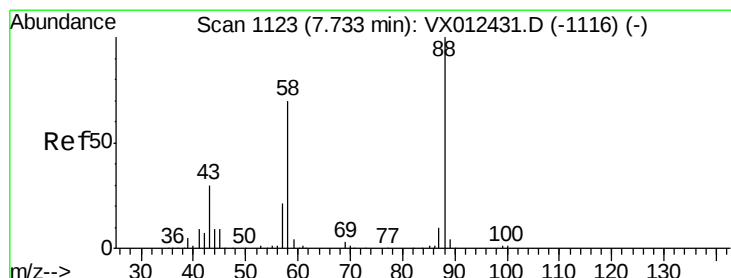
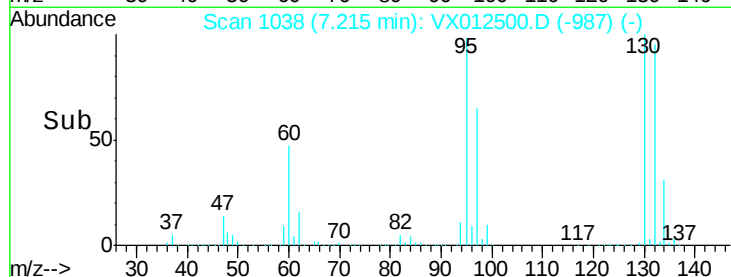
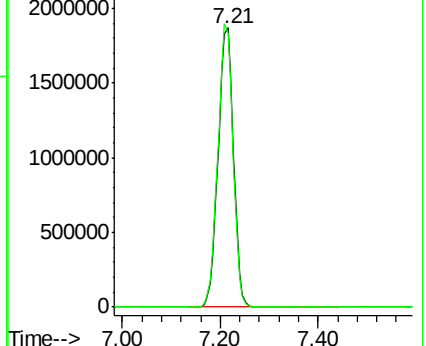
130 100

95 98.4 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 19.176 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

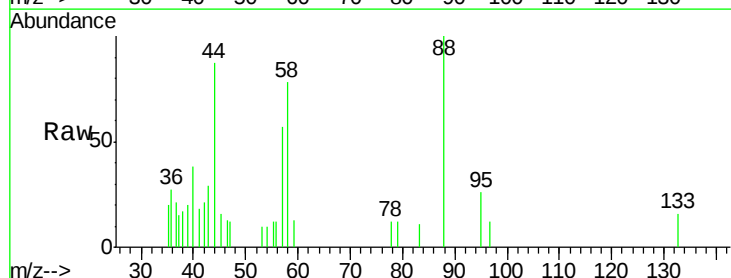
Tgt Ion: 88 Resp: 1135

Ion Ratio Lower Upper

88 100

43 0.0 29.4 44.0#

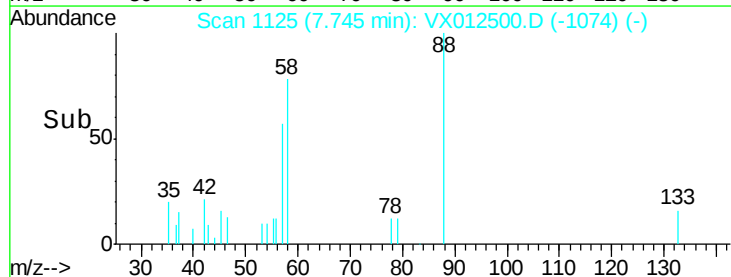
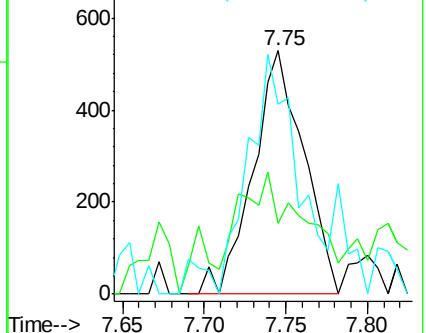
58 94.5 57.5 86.3#

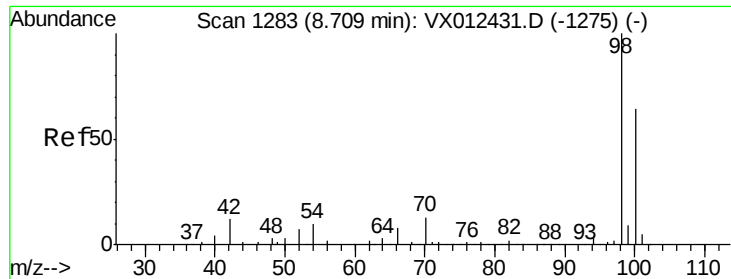


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.666 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

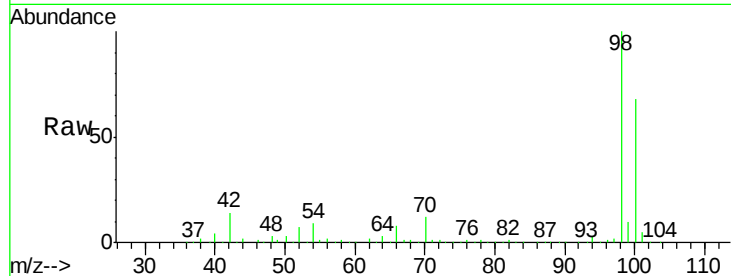
RE132D6-20190911

Tot Ion: 98 Resp: 356644

Ion Ratio Lower Upper

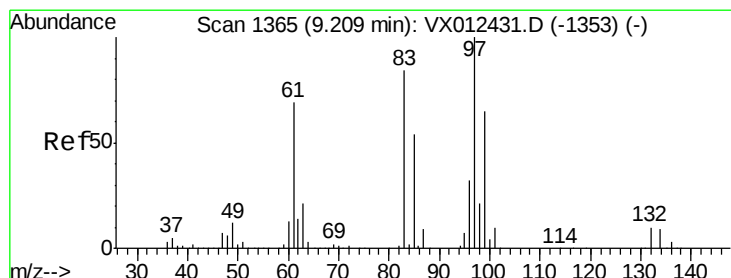
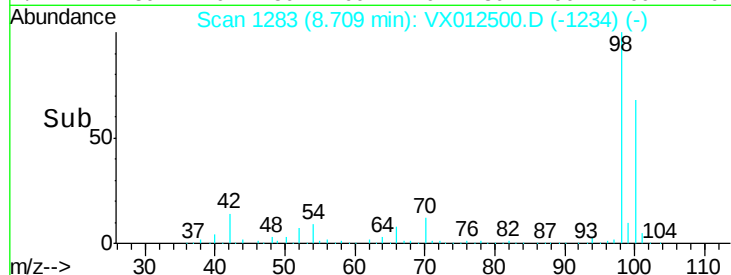
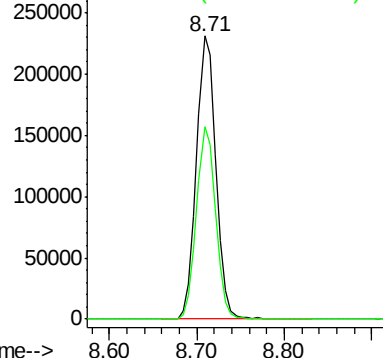
98 100

100 67.0 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#55

1,1,2-Trichloroethane

Concen: 1.560 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

Tgt Ion: 97 Resp: 3083

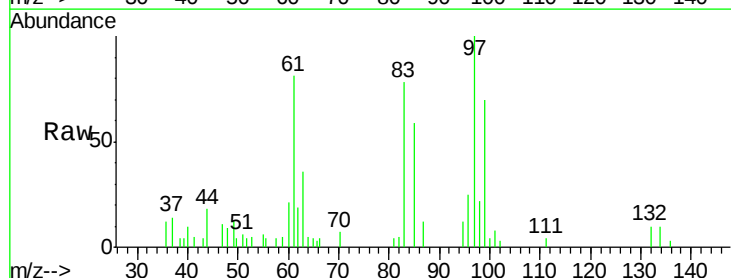
Ion Ratio Lower Upper

97 100

83 77.6 67.4 101.2

85 59.1 43.5 65.3

99 69.7 51.8 77.8

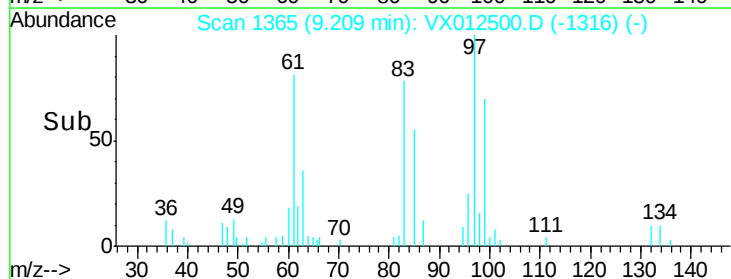
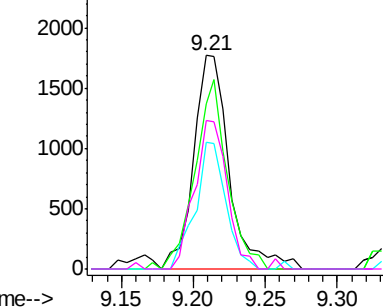


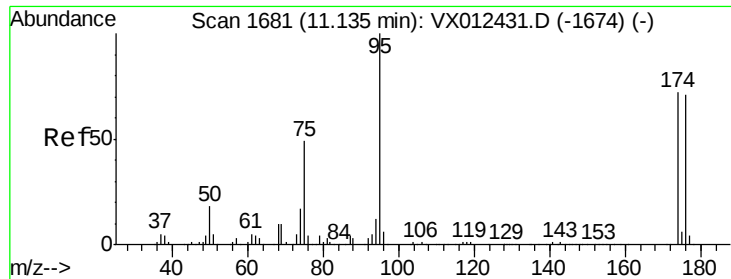
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#62

4-Bromofluorobenzene

Concen: 44.264 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20190911

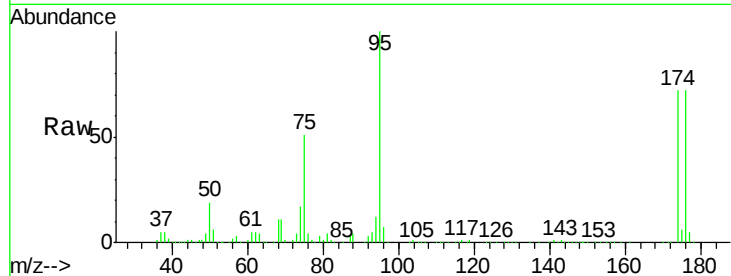
Tot Ion: 95 Resp: 126865

Ion Ratio Lower Upper

95 100

174 70.0 0.0 140.0

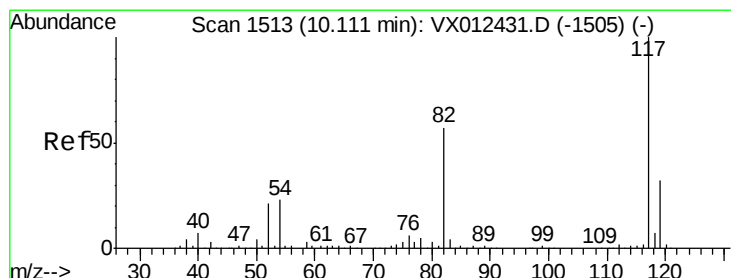
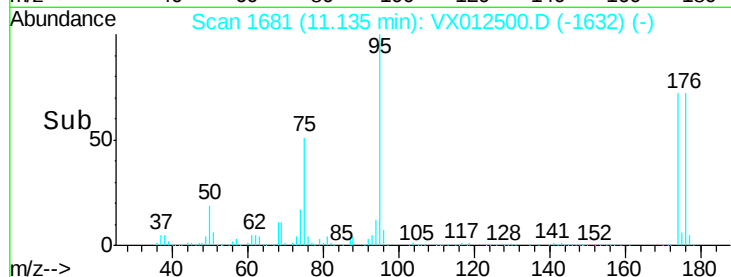
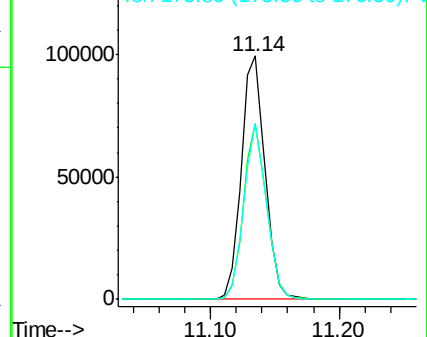
176 69.3 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

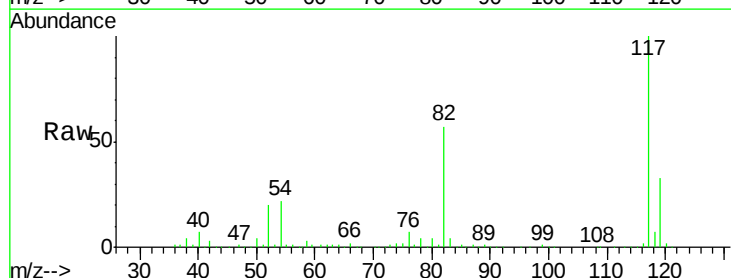
Tgt Ion: 117 Resp: 259944

Ion Ratio Lower Upper

117 100

82 57.4 45.9 68.9

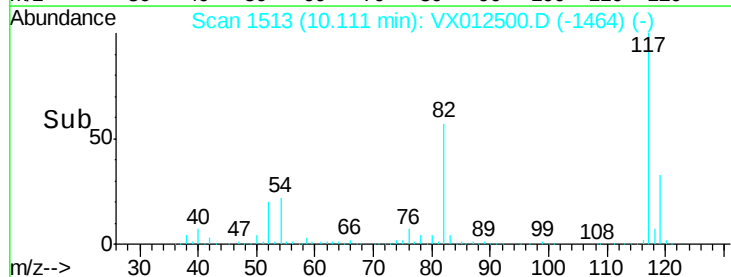
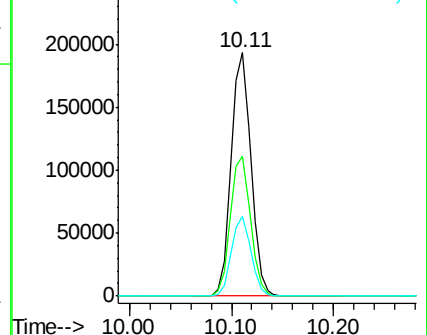
119 32.9 25.3 37.9

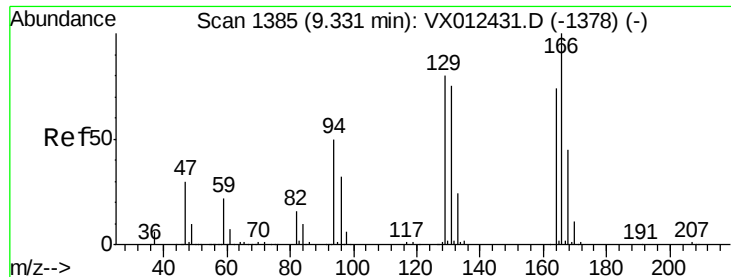


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 6.877 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20190911

Tot Ion:164 Resp: 8192

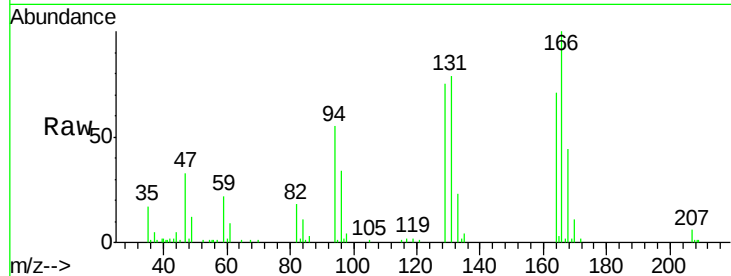
Ion Ratio Lower Upper

164 100

166 140.4 107.8 161.6

129 104.9 86.2 129.2

131 110.7 80.4 120.6

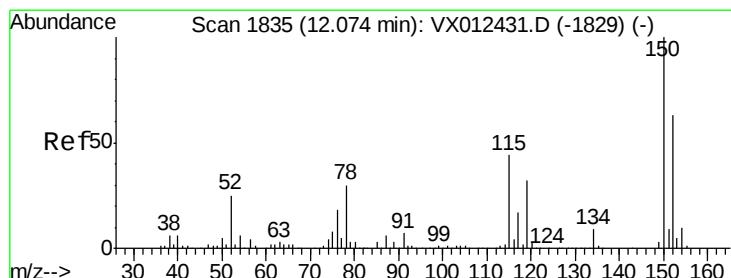
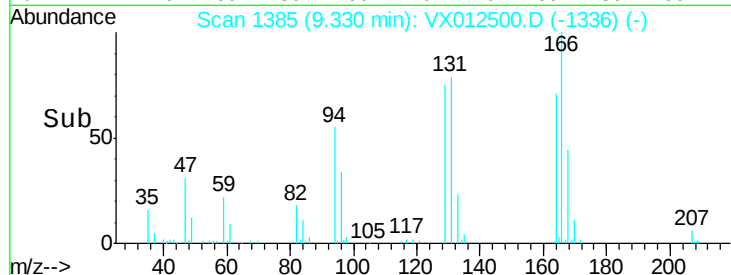
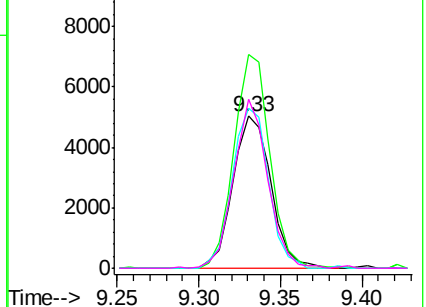


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012500.D

Acq: 19 Sep 2019 02:18

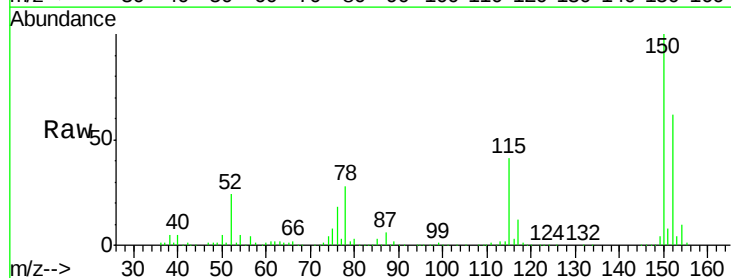
Tgt Ion:152 Resp: 101818

Ion Ratio Lower Upper

152 100

115 63.7 44.1 132.3

150 160.1 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

